



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office

NOTICE OF ALLOWANCE AND ISSUE FEE DUE

0M41/0107

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APPLICATION NO.	FILING DATE	TOTAL CLAIMS	EXAMINER AND GROUP ART UNIT	DATE MAILED
08/924,407	08/22/97	101	JAWORSKI, F	3737 01/07/98
First Named Applicant	HOSSACK,	35 USC 154(b) term ext. =		0 Days.
TITLE OF INVENTION	ULTRASONIC SYSTEM AND METHOD FOR HARMONIC IMAGING IN THREE DIMENSIONS			

ATTY'S DOCKET NO.	CLASS-SUBCLASS	BATCH NO.	APPLN. TYPE	SMALL ENTITY	FEES DUE	DATE DUE
3 5050/230	600-443.000	N66	UTILITY	NO	\$1210.00	04/07/98

**THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT.
PROSECUTION ON THE MERITS IS CLOSED.**

**THE ISSUE FEE MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS
APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED.**

HOW TO RESPOND TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is changed, pay twice the amount of the FEE DUE shown above and notify the Patent and Trademark Office of the change in status, or
- B. If the status is the same, pay the FEE DUE shown above.

II. Part B-Issue Fee Transmittal should be completed and returned to the Patent and Trademark Office (PTO) with your ISSUE FEE. Even if the ISSUE FEE has already been paid by charge to deposit account, Part B Issue Fee Transmittal should be completed and returned. If you are charging the ISSUE FEE to your deposit account, section "4b" of Part B-Issue Fee Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give application number and batch number.

Please direct all communications prior to issuance to Box ISSUE FEE unless advised to the contrary.

If the SMALL ENTITY is shown as NO:

- A. Pay FEE DUE shown above, or
- B. File verified statement of Small Entity Status before, or with, payment of 1/2 the FEE DUE shown above.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

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Art Unit: 3737

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Craig Summerfield, Reg. No. 37,947 on January 5, 1998.

2. The application has been amended as follows:

In claim 83, in line 1 after "apparatus" has been added -- adapted --, and in line 2 after "reconstruction" has been added of a subject during an imaging session, said subject being free of added ultrasound contrast agent throughout the entire imaging session, and in line 5 "an" has been changed to -- said --.

3. The following is an examiner's statement of reasons for allowance:

The Examiner weighed the relevance of **Averkiou et al** (EP 0 851 241 A2) especially Col. 5 line 34 - Col. 6 line 1 and Fig. 1 and **Averkiou et al** (US 5833613) Col. 5 line 36 - Col. 7 line 51 and claims 6, 12 and 32 thereof. In the former the tissue harmonic i.e. harmonic sans contrast agent is stated to be provided for two-dimensional display and in the latter neither embodiment shown in Fig. 1 or Fig. 4 is adapted to operate in the absence of contrast agent.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

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fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication should be directed to Examiner Francis J. Jaworski at telephone number (703) 308-3061.

FJJ:fjj

1-5-98



Francis J. Jaworski
Primary Examiner